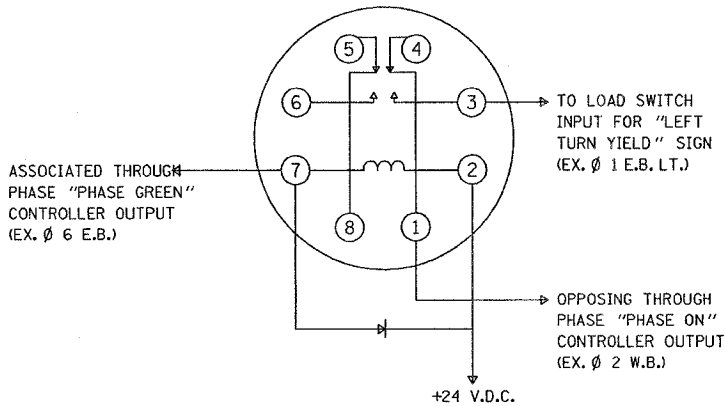


PLAN	SURVEYED	DATE
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	CAD FILE NAME	

#### ELECTRICAL GENERAL NOTES

1. ALL VEHICLE SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. THE CONTRACTOR SHALL FABRICATE NON-CORROSIVE COVERS AND ATTACH THEM SECURELY TO THE MAST ARM TO COVER THE HOLE LEFT BY RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE, IF THAT HOLE IS NOT SUITABLY LOCATED FOR THE ILLUMINATED SIGN INSTALLATION. THE COST FOR SUPPLYING AND INSTALLING THESE COVERS SHALL BE INCLUDED IN THE UNIT PRICE FOR "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE".
3. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
4. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - IL RTE. 156 AND IL 159. (HECKER)
    - AT&T CORPORATION (COMMUNICATIONS)
    - HARRISONVILLE TELEPHONE CO.
    - HECKER, VILLAGE OF (WATER AND SANITARY SEWER)
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
    - MEDIACOM (CABLE TV)
    - SBC (COMMUNICATIONS)
    - VERIZON NORTH, INC. (COMMUNICATIONS)
  - IL RTE. 158 AND FRANK SCOTT PARKWAY (BELLEVILLE)
    - CHARTER COMMUNICATIONS (COMMUNICATIONS)
    - ILLINOIS AMERICAN WATER CO.
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
    - MONROE CO. ELECTRIC COOPERATIVE, INC (ELECTRIC)
    - SBC (COMMUNICATIONS)
    - VERIZON NORTH, INC. (COMMUNICATIONS)
  - IL RTE. 158 AND MINE HAUL RD. (BELLEVILLE)
    - ILLINOIS AMERICAN WATER CO. (WATER)
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
    - SBC (COMMUNICATIONS)
  - IL RTE. 161 AND 74TH ST. (BELLEVILLE)
    - CHARTER COMMUNICATIONS (CABLE TV)
    - ILLINOIS AMERICAN WATER CO. (WATER)
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
    - SBC (COMMUNICATIONS)
  - IL RTE. 159 AND DRAKE LN. (SWANSEA)
    - AMEREN-UE (GAS)
    - AT&T CORPORATION (COMMUNICATIONS)
    - CASEYVILLE TOWNSHIP ADVANCE WASTE WATER SYSTEM (SANITARY SEWER)
    - CHARTER COMMUNICATIONS (CABLE TV)
    - FAIRVIEW HEIGHTS, CITY OF (STORM SEWER)
    - ILLINOIS AMERICAN WATER CO. (WATER)
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
  - IL RTE. 159 AND FULLERTON RD. (SWANSEA)
    - CHARTER COMMUNICATIONS (COMMUNICATIONS)
    - ILLINOIS AMERICAN WATER CO. (WATER)
    - ILLINOIS POWER CO. (ELECTRIC)
    - ILLINOIS POWER CO. (GAS)
    - SCOTT AIR FORCE BASE (COMMUNICATIONS)
    - SBC (COMMUNICATIONS)
    - SWANSEA, VILLAGE OF (WATER AND SANITARY SEWER)
5. UNDERGROUND MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH ARTICLES 815.03(d) AND 1066.05 OF THE STANDARD SPECIFICATIONS.

(MEMBERS OF J.U.L.I.E. PHONE (800) - 892-0123 ARE INDICATED BY \*)  
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.



ILLUMINATED "LEFT TURN YIELD" SIGN  
TYPICAL SIGN CONTROL INSTALLATION

#### NOTES

1. RELAY SHALL BE POTTER & BRUMFIELD KRPA110Y OR EQUIVALENT (24 V.D.C. COIL)
2. DIODE SHALL BE 1N4007 OR EQUIVALENT.
3. RELAY SOCKET SHALL BE MOUNTED ON A PANEL OF SHEET ALUMINUM.
4. THIS DETAIL IS TYPICAL. EACH SIGN WILL REQUIRE A SEPARATE RELAY AND CONNECTIONS WILL VARY BASED ON INTERSECTION PHASING.
5. THE 120 V.A.C. CONTROL VOLTAGE SUPPLIED TO THE SIGN SHALL BE SWITCHED BY A STANDARD NEMA SOLID STATE LOAD SWITCH. A SINGLE LOAD SWITCH MAY BE UTILIZED FOR THREE LIGHTED SIGNS.
6. THE CONTROL VOLTAGE SHALL BE MONITORED BY THE EXISTING CONFLICT MONITOR LOCATED IN THE CONTROLLER CABINET.
7. THE HOUSING OF THE ILLUMINATED SIGN SHALL BE UNPAINTED ALUMINUM.

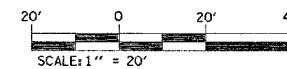
#### TRAFFIC SIGNALS LEGEND

GSC	GALVANIZED STEEL CONDUIT
LTY	LEFT TURN YIELD
PVCC	POLYVINYL CHLORIDE CONDUIT
	EXISTING SIGNAL POST
	EXISTING SIGNAL POST WITH BACKPLATE
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING DETECTOR LOOP
	EXISTING CONTROLLER
	EXISTING STREET NAME SIGN/TRAFFIC SIGN
	EXISTING ILLUMINATED SIGN
	EXISTING SERVICE INSTALLATION
	EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
	EXISTING (E.V.P.S.) CONFIRMATION BEACON
	EXISTING SIGNAL HEAD, PEDESTRIAN
	EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
	EXISTING GALVANIZED STEEL CONDUIT
	PROPOSED CONTROLLER
	PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED
	PROPOSED ILLUMINATED SIGN
	PROPOSED SERVICE INSTALLATION

ROUTE	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
*	**	***	12	3
STA.	TO STA.			

CONTRACT NO. 176794

- \* VARIOUS
- \*\* DIST 8 FLASHING BEACONS 2005-1
- \*\*\* MONROE AND ST. CLAIR



ILLINOIS DEPARTMENT OF TRANSPORTATION

#### GENERAL NOTES, DETAILS AND LEGEND

VARIOUS ROUTES  
SECTION DIST 8 FLASHING BEACONS 2005-1  
MONROE AND ST. CLAIR COUNTIES  
DRAWN BY:

PLOT DATE: Tuesday June 29, 2004 @ 3:28:12 PM

REVISIONS	
NAME	DATE